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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/689,182	10/20/2003	Richard R. Jenneke	17310-297214	2705
25764	7590	12/29/2005	EXAMINER	
FAEGRE & BENSON LLP PATENT DOCKETING 2200 WELLS FARGO CENTER MINNEAPOLIS, MN 55402			KIM, PAUL D	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/689,182

Applicant(s)

JENNEKE, RICHARD R.

Examiner

Paul D. Kim

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --****Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 October 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 and 22 is/are rejected.
- 7) ☒ Claim(s) 16-21 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| <p>1) <input type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br/>Paper No(s)/Mail Date _____.</p> | <p>4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br/>Paper No(s)/Mail Date. _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
|---|---|

## DETAILED ACTION

This office action is a response to the amendment filed on 10/7/2005.

### *Claim Objections*

1. Claim 22 is objected to because of the following informalities: The phrase "a head suspension component" as recited in lines 1 and 2 appears to be --the first head suspension component--. Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Symons et al. (US PAT. 5,886,857).

Symons et al. Holaway et al. teach a process of making a head suspension comprising steps of: providing a first head suspension component (20) having a compliant locating feature (50) including a plurality of spring beam tabs (60 as shown in Fig. 5) spaced around an opening as shown in Fig. 5; and locating the first head

suspension component relative to a desired reference by inserting a taper pin (equivalent with a tool pin, not shown) into the opening and causing the pin to engage the plurality of spring beam tabs to position the spring beam tabs around the pin (see also col. 2, lines 34-37 and col. 5, line 37 to col. 7, line 43).

4. Claims 1-15 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Holaway et al. (US PAT. 6,367,144).

Holaway et al. teach a process of making a head suspension comprising steps of: providing a first head suspension component (220) having a compliant locating feature (250) including a plurality of spring beam tabs (253,273) spaced around an opening (251) as shown in Fig. 10; and locating the first head suspension component relative to a desired reference by inserting a taper pin into the opening and causing the pin to engage the plurality of spring beam tabs to position the spring beam tabs around the pin (290) as shown in Fig. 9 (see also col. 9, line 39 to col. 10, line 16 and col. 14, lines 24-41).

As per claims 13 and 15 the plurality of spring beam tabs are out of a major plane (equivalent with deflection) of the first head suspension component. The major plane of the first head suspension component could be any plane of the first head suspension component (see also col. 10, lines 6-12).

As per claim 14 the first head suspension component is engaged with a clamp (700) by the pin (790, 795, see also col. 14, lines 24-41).

As per claim 22 the first head suspension component includes a carrier strip (630) with the compliant locating feature on the carrier strip as shown in Fig. 15.

***Allowable Subject Matter***

5. Claims 16-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to disclose the claimed invention such as a second head suspension component having a compliant locating feature including a plurality of spring beam tabs and the plurality of spring beam tabs of the first head suspension component located between the plurality of spring beam tabs of the second head suspension component. The closest reference, Holaway et al., teach a second head suspension component having a compliant locating feature including a plurality of spring beam tabs, but the plurality of spring beam tabs of the first head suspension component are identically same with the plurality of spring beam tabs of the second head suspension component. When the first and second spring beam tabs are engaged together, the plurality of spring beam tabs of the first head suspension component can not be located between the plurality of spring beam tabs of the second head suspension component. Therefore, it would not be obvious to modify Holaway et al. by adding any spring beam tabs to place the spring beam tabs of the first head suspension component

in between the plurality of spring beam tabs of the second head suspension component, since doing so would destroy the structure of the head suspension of Holaway et al.

### ***Response to Arguments***

7. Applicant's arguments with respect to claims 12-22 have been considered but are moot in view of the new ground of rejection.

### ***Conclusion***

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565.

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The examiner can normally be reached on Monday-Friday between 7:00 AM to 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Paul D Kim  
Examiner  
Art Unit 3729